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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		International Search Report of Application No. PCT/JP2004/016181; PCT7438) Dated February 8, 2005.										

Written Opinion (Application No. PCT/JP2004/016181; PCT7438) Dated February 8,

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Filing Date	April 12, 2006						
First Named Inventor	Shinji MAEKAWA et al.						
Art Unit	Not Known 2812						
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			U.S. PATENT DOCUMENT	rs	
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ST /		US-5,304,407	04-19-1994	Hayashi et al.	
	ΛL	US-2003/0080436	05-01-2003	Ishikawa	
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CXX	\ /	JP 11-029873	02-02-1999	Yuasa et al.		AB
_1	\square	JP 2003-109794	04-11-2003	Matsunaga et al.		AB
	LX.	JP 2003-133691	05-09-2003	Hashimoto et al.		AB
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Substitute for form 1449A/PTO Complete if Known 10/575,492 Application Number INFORMATION DISCLOSURE April 12, 2006 Filing Date STATEMENT BY APPLICANT Shinji MAEKAWA et al. First Named Inventor (use as many sheets as necessary) Not Known 2812 Art Unit Not Known LSAAC **Examiner Name** Sheet of Attorney Docket Number 740756-2947 **U.S. PATENT DOCUMENTS** U.S. Patent Document Pages, Cohimns, Lines, Where Relevant Passages or Relevant Figures Appear Initials* Publication Date MM-DD-YYYY Number - Kind Code³ (if known) Applicant of Cited Docume extUS-6,521,489 02-18-2003 Duthaler et al. US-6,613,399 09-02-2003 Miyamoto et al. US-2003/0143339 A1 07-31-2003 Kobayashi US-2004/0174426 A1 09-09-2004 Nomura et al. FOREIGN PATENT DOCUMENTS Foreign Patent Docu Pages, Columns, Lines, Where Publication Date MM-DD-YYYY Name of Patentee or Relevant Passages or Relevant Kind Code Application of Cited Document Figures Appear T Country Code³ Number⁴ OTHER PRIOR ART - NON PAPENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Examiner T2 Initials' item (book, magazine, journal, serial emposium, catalog, etc.), date, page(s), volume-issue number(s), Examiner 04 6 Y

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